1. Compounds of formula (I)

July All

$$R^3Q_2^2S$$
 R^2
 N
 N
 N
 N

and pharmaceutically acceptable derivatives thereof in which:

5

 R^0 and R^1 are independently selected from H, halogen, C_{1-6} alkyl, C_{1-6} alkoxy, or C_{1-6} alkoxy substituted by one or more fluorine atoms;

 R^2 is H, C_{1-6} alkyl, C_{1-6} alkyl substituted by one or more fluorine atoms, C_{1-6} alkoxy, C_{1-6} alkyl, C_{1-6} alkyl, C_{1-6} alkylsulphonyl, C_{1-6} alkoxy substituted by one or more fluorine atoms; and

R³ is C₁₋₆alkyl or NH₂.

10

2. Compounds as claimed in claim 1 wherein R⁰ and R¹ are independently H, halogen, C₁₋₆alkyl, or C₁₋₆alkoxy; R² is C₁₋₃alkyl substituted by one or more fluorine atoms; and R³ is C₁₋₃alkyl or NH₂.

15

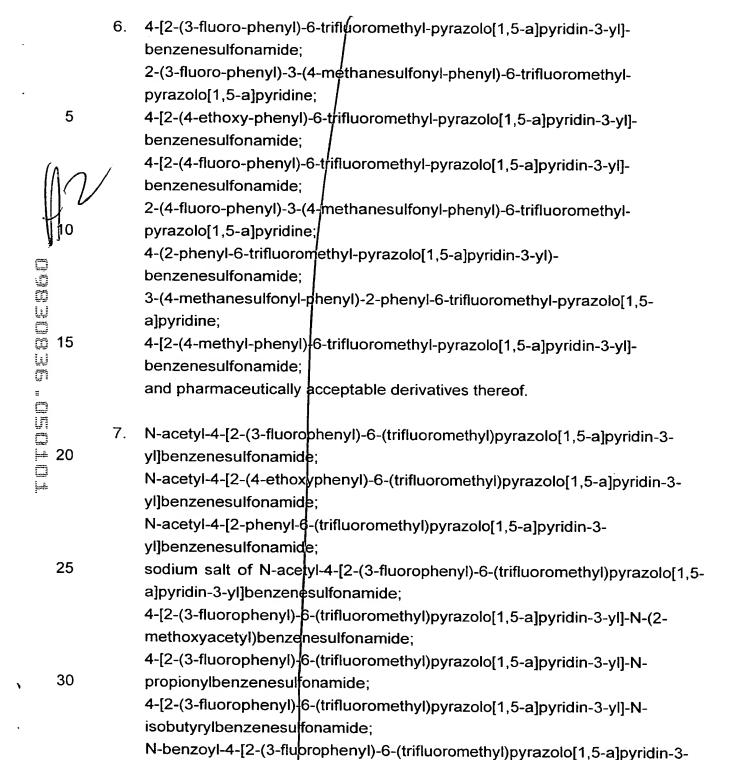
3. Compounds as claimed in claim 1 or 2 wherein R⁰ and R¹ are independently H, F, Cl, C₁₋₃alkyl (e.g. methyl), or C₁₋₃alkoxy (e.g. ethoxy); R² is C₁₋₃alkyl substituted by one or more fluorine atoms (e.g. trifluoromethyl); and R³ is methyl or NH₂.

20

4. Compounds as claimed in any one of claims 1 to 3 wherein R⁰ is F, CI, or C₁₋₃alkyl (e.g. methyl) or C₁₋₃alkoxy (e.g. ethoxy); R¹ is H; R² is C₁₋₃alkyl substituted by one or more fluorine atoms (e.g. trifluoromethyl); and R³ is methyl or NH₂.

25

5. Compounds as claimed in any one of claims 1 to 4 wherein R⁰ is at the 3- or 4- position of the phenyl ring; and R² is at the 6- position of the pyridine ring.



methyl 4-[({4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-

yl]benzenesulfonamide:

yl]phenyl}sulfonyl)arhino]-4-oxobutanoate;

35

25

30

38 4-[({4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3yl]phenyl}sulfonyl)amino]-4-oxobutanoic acid: 4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-yl]-Npentanoylbenzenesulfonamide; 2-[({4-[2-(3-fluorophenyl)-6/r(trifluoromethyl)pyrazolo[1,5-a]pyridin-3yl]phenyl}sulfonyl)amino]-2-oxoethyl acetate: N-acetyl-4-[2-(4-fluorophe/nyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3yl]benzenesulfonamide: N-(2-chloroacetyl)-4-[2-(3]-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5a]pyridin-3-yl]benzenesulfonamide; N-[2-(diethylamino)acety|-4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3-yl]benzenesulfonamide; {4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3yl]phenyl}sulfonylcarbamate; and tert-butyl {4-[2-(3-fluorophenyl)-6-(trifluoromethyl)pyrazolo[1,5-a]pyridin-3yl]phenyl}sulfonylcarbamate. 4-[6-chloro-2-(3-ethoxyphenyl)pyrazolo[1,5-a]pyridin-3yl]benzenesulfonamide: 6-chloro-2-(3-ethoxyphenyl)-3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-a]pyridine; 4-[6-methyl-2-phenyl-pyrazolo[1,5-a]pyridin-3-yl]benzenesulfonamide; 4-[2-(3-fluorophenyl)-6/methyl-pyrazolo[1,5-a]pyridin-3yl]benzenesulfonamide; 4-[2-(3-ethoxyphenyl)-\(\beta\)-methyl-pyrazolo[1,5-a]pyridin-3yl]benzenesulfonamide;

2-(3-fluorophenyl)-6-methyl-3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-a]pyridine; 2-(3-ethoxyphenyl)-6-methyl-3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-a]pyridine; 2-(4-ethoxyphenyl)-6-methyl-3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-a]pyridine;

6-methyl-2-phenyl -3-[4-(methylsulfonyl)phenyl]pyrazolo[1,5-a]pyridine;

and pharmaceutically acceptable derivatives thereof.

4-[2-(4-ethoxyphenyl)+6-methyl-pyrazolo[1,5-a]pyridin-3-

yllbenzenesulfonamide:

AN

A process for the preparation of compounds of formula (I) and pharmaceutically acceptable derivatives thereof as defined in any one of claims 1 to 8, which comprises:

(A) reacting a compound of formula (II)

5

COMUCAUT . CECHOL

or a protected derivative thereof, with a compound of formula (III)

$$R^3O_2S$$
 \longrightarrow $B(OH)_2$ (III)

or a protected derivative thereof; or

(B) where R³ represents C₁₋₄alkyl, reacting a compound of formula (IV)

$$R^{3}S$$
 R^{2}
 R^{0}
 R^{1}
 R^{1}

10

or a protected derivative thereof with an oxidising agent; or

(C) where R² is C₁₋₆alkylsulphonyl, oxidising a compound of formula (V)

$$R^{3}O_{2}S$$
 $SC_{1.6}$ alkyl
 R^{0}
 R^{1}
 (V)

or a protected derivative; or

5

10

15

(D) where R² is C₁₋₆alkoxy substituted by one or more fluorine atoms, reacting a alcohol of formula (VI)

40

or a protected derivative thereof with a halofluoroalkane; or

(E) where R³ is NH₂, reacting a compound of formula (X)

$$R^0$$
 (X)

with a source of ammoria under conventional conditions; or

- (F) interconversion of a compound of formula (I) into another compound of formula (I); or
- (G) deprotecting a protected derivative of compound of formula (I);

and optionally converting compounds of formula (I) prepared by any one of processes (A) to (G) into pharmaceutically acceptable derivatives thereof.

- 10. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable derivative thereof as defined in any one of claims 1 to 8 in admixture with one or more physiologically acceptable carriers or excipients.
- 11. A compound of formula (1) or a pharmaceutically acceptable derivative thereof as defined in any one of claims 1 to 8 for use in human or veterinary medicine.

154 AS1

10

CONTROL 15

- A method of treating a human or animal subject suffering from a condition which is mediated by selective inhibition of COX-2 which comprises administering to said subject an effective amount of a compound of formula (I) or a pharmaceutically acceptable derivative as defined in any one of claims 1 to 8.
- 14. A method of treating a human or animal subject suffering from an inflammatory disorder, which method comprises administering to said subject an effective amount of a compound of formula (I) or a pharmaceutically acceptable derivative thereof as defined in any one of claims 1 to 8.
- 15. The use of a compound of formula (I) or a pharmaceutically acceptable derivative thereof as defined in any one of claims 1 to 8 for the manufacture of a therapeutic agent for the treatment of a condition which is mediated by selective inhibition of COX₇2.

16. The use of a compound of formula (I) or a pharmaceutically acceptable derivative thereof as defined in any one of claims 1 to 8 for the manufacture of a therapeutic agent for the treatment of an inflammatory disorder.

20